## Bruhat Bangalore Mahanagara Palike

### Draft Tender Schedule

**Name of Work: PROVIDING AND LAYING 300MM DIA RCC LINE IN PLACE OF FULLY DAMAGED 150MM DIA SW LINE AT 3RD A CROSS ROAD, SHARAVATHI ROAD, 16TH B CROSS ROAD (WHITE TOPPING ROAD)YELAHANKA COMING UNDER YELAHANKA NEWTOWN S/Stn OF AEE N-2 SUB DIVISION**

| Sl No | Description of Work | Unit | Quantity | Rates | |
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| | | | | In figures | In Words |
| 1 | Cutting road surface forpipe line trenches and disposing off the excavated stuff as directed including barricading, danger lighting etc., in the following classification (2) Cutting Asphalt road | Cum | 103.86 | 894.00 | Rupees Eight Hundred Ninety Four Only |
| 2 | Earth work excavation for pipeline trenches required width by mechanical & manual means incl dressing sides, ramming of bottoms, providing baricasing, danger lighting, shoring, strutting, dewatering, etc, directed in the following strata. 1) In all kinds of soils mixed with boulders of 30 cms size up if any shoring and strutting will be paid separately.<br>(1) 0 to 2 Mtr. Depth | Cum | 1669.87 | 167.00 | Rupees One Hundred Sixty Seven Only |
| 3 | 2 to 4 Mtr. Depth | Cum | 64.54 | 225.00 | Rupees Two Hundred Twenty Five Only |
| 4 | Supplying S&S RCC SPUN / VIBRATED CAST PIPES (REINFORCED) pipes NP-3 Class conforming to IS:458-1988 with latest amendments using ordinary portland cement, for sanitary works and conveying to work site, rolling and lowering into trenches, laying true to line and level including loading and unloading at both destinations and jointing of pipes and specials including cost of specials, perfect linking of joints with jack to correct position including cost of jointing materials, i.e, rubber rings conforming to IS: 5382 for S&S RCC pipes, with all leads and lifts as directed and<br>giving necessary hydraulic test as per ISS to the required pressure and commissioning etc. complete. (Contractor will make his own arrangements for procuring water for testing). Before the execution<br>of the work, the contractor shall carry out the survey and will be paid extra for the same as per seperate item. 300MM DIA RCC LINE | Rmt | 1196.10 | 1659.00 | Rupees One Thousand Six Hundred Fifty Nine Only |

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| 5 | Supplying PVC ring tight pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. for: PVC pipes 110 mm outer dia., 6 kg/sqcm & class 3 | Cum | 1000.00 | 304.00 | Rupees Three Hundred Four Only |
| 6 | Construction of RCC manhole chambers of 1:1.5:3 proportion or approved type pre-cast RCC manhole chambers, constructed using form vibrators of standard type, with barricading, danger lighting and using of sight rails and boning rods wherever necessary, shoring and strutting wherever required using Ordinary Port Land Cement, using 1:1.5:3 proportion RCC with 20 mm and down graded jelly, well graded sand and steel of approved quality, 200 mm thick top concrete slab, having wall thickness and raft thickness as in approved drawings and with an offset in raft alround the chamber as in approved drawing, benching concrete with 1:6 slope towards the central drain finished smooth, including fixing and grouting of pipes, including conveying to work spot supply and fixing SFRC manhole cover and frame (Heavy duty) conforming to IS:12592 with latest amendments, on a bed of CC 1:2:4 supplying and fixing of minimum 3 mm thick ncapsulated plastic footsteps (as per IS 10910) on 12 mm dia. Grade Fe-415 steel bar (as per IS 1786) staggered at 300 mm apart as detailed in Technical specifications, including sand bedding wherever required, disposal of surplus earth, watering, curing, engraving manhole number with flow direction on | Nos. | 25.00 | 30960.00 | Rupees Thirty Thousand Nine Hundred Sixty Only |
| 7 | Above 1.0m depth MH interms of 0.1m | No. | 132.00 | 1641.30 | Rupees One Thousand Six Hundred Forty One And Paise Thirty Only |

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| 8 | Providing and constructing "WIRE CUT BRICK MANHOLE CHAMBERS" using suplhate resistant cement, conical in shape at top, with CC 1:3:6 foundation using 40mm and down size graded metal of approved quality and with an offset of 0.15M alround the chamber. Construct Brick masonry in CM 1:4, 340 mm thick, with wirecut bricks of approved quality, plaster inside and out side with CM 1:3, 12mm thick, except for the conical surface outside where the plaster thickness shall be 20mm. Slope inside to be 1:6 in the concrete towards central drain and finished smooth. Fixing of pipes in CC 1:2:4 with graded metal of 20mm and down size. Supplying and fixing SFRC manhole frame and cover conforming to IS:12592 with latest amendment, in CC 1:2:4. Supplying and fixing footsteps made of 12mm dia. steel bars (Fe-415) with 3mm thick plastic encapsulation (IS-10910). The footsteps shall be fixed 30cms apart and on CC block embeded to masonry wall. The whole works include excavation in all types of soils, watering, curing, barricading, danger lighting, pouring tar over MH frame and cover, cost of tar, shoring, strutting, de-watering, engraving manhole number with flow direction on the inner conical surface etc. as per the rawing etc. as per | Nos. | 8.00 | 18382.00 | Rupees Eighteen Thousand Three Hundred Eighty Two Only |
| 9 | Above 1.0m depth MH interms of 0.1m | No. | 51.00 | 1838.20 | Rupees One Thousand Eight Hundred Thirty Eight And Paise Twenty Only |
| 10 | 2.00 Mtrs Depth | No, | 12.00 | 30795.00 | Rupees Thirty Thousand Seven Hundred Ninety Five Only |
| 11 | Above 2.0m depth MH interms of 0.1m | No. | 17.00 | 1416.60 | Rupees One Thousand Four Hundred Sixteen And Paise Sixty Only |
| 12 | Dismantling the damaged or collapsed manholes of 1.2M dia., conical in shape, and reconstructing the same for the same dimensions, with machine made wire cut brick in CM 1:4 with ordinary portland cement etc. as per design and specifications. The existing ring, cover and CC beeding to be used. 1.90 meter depth EXMH27,36,42 | Nos. | 3.00 | 12694.00 | Rupees Twelve Thousand Six Hundred Ninety Four Only |

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| 13 | Providing Bedding or Backfilling using approved stone dust / quarry dust of size not exceeding 5.6 mm for the pipe line trenches including watering and consolidation to 95% proctor density etc., complete with all lead and lifts as per specification and as directed by the engineer incharge, after obtaining the approval of the Chief Engineer by diamond rope cutting method. | Cum | 1756.74 | 1124.00 | Rupees One Thousand One Hundred Twenty Four Only |
| 14 | Disposal off the excess excavated earth of all types by vehicle including loading, unloading with all lead and lifts, labour, HOM of machineries etc. | Cum | 1838.27 | 243.00 | Rupees Two Hundred Forty Three Only |

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